5. A transmission cable according to claim 1, wherein the shape of the support element is a surface formed by two curved surfaces.

6. A transmission cable according to claim 1, wherein the signal cable is an inverted microstrip cable.

7. A transmission cable according to claim 1, wherein the signal cable is a coplanar cable.

REMARKS

In accordance with 37 C.F.R. §1.121 (as amended on 11/7/2000) the rewritten claim(s) above are shown on separate page(s) marked up to show all the changes relative to the previous version of that section.

Respectfully submitted,

24Sep01

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Application entitled: INVERTED MICROSTRIP TRANSMISSION LINE INTEGRATED IN A MULTILAYER STRUCTURE

MARKED UP CLAIMS:

Claims

What is claimed is:

1. A transmission cable constructed by multilayer technique, located in a cavity comprising a first surface and a second surface which is essentially parallel with the first surface,

said transmission cable consisting of

a signal cable ~~(20, 30, 40, 50, 60)~~, which is essentially parallel to the first cavity surface,

and of a ground cable ~~(21, 31, 41, 51, 61)~~, which is placed on said second surface, essentially in parallel with the signal cable,

and said transmission **characterised** ~~in that said~~ cable also comprises a support element ~~(25, 35, 45, 55, 65)~~ which has a surface that is essentially parallel with said first and second surfaces and is located between said first and second surfaces, so that ~~the~~ said signal cable is realised by means of an electroconductive material layer formed on the surface of the support element.

2. A transmission cable according to claim 1, **characterised** wherein ~~the~~ in ~~that said~~ support element

~~(25, 35, 45)~~ is rectangular in shape.

3. A transmission cable according to claim 1, **characterised** wherein the ~~in that the~~ support element is a square ~~(45)~~.

4. A transmission cable according to claim 1, **characterised** wherein the ~~in that~~ shape of the support element is a T-beam ~~(55)~~.

5. A transmission cable according to claim 1, **characterised** wherein the ~~in that the~~ shape of the support element is a surface ~~(65)~~ formed by two curved surfaces.

6. A transmission cable according to claim 1, **characterised** wherein the ~~in that the~~ signal cable is an inverted microstrip cable.

7 A transmission cable according to claim 1, **characterised** wherein the ~~in that~~ the signal cable is a coplanar cable.